

Appl. No. 09/659,737

Amdt. dated March 8, 2004

Reply to Final Office Action dated Feb. 12, 2004

Amendments to the Claims

Claim 1. (Original): An isolated polynucleotide molecule comprising a nucleotide sequence encoding an MLK4 gene product from a human, wherein the MLK4 gene product comprises the amino acid sequence of SEQ ID NO:2.

Claim 2. (Original): The isolated polynucleotide sequence of claim 1 comprising the nucleotide sequence of SEQ ID NO:1.

Claims 3-21. (Cancelled).

Claim 22. (Currently Amended): A recombinant vector comprising ~~any one of the~~ polynucleotide molecule ~~molecules of claims 1-5~~ claim 1, 2, 48, 49, 50, 51 or 53.

Claim 23. (Original): A transformed host cell comprising the recombinant vector of claim 22.

Claim 24. (Cancelled).

Claim 25. (Currently Amended): A method of preparing a substantially purified or isolated polypeptide ~~comprising the amino acid sequence of SEQ ID NO:2 encoded by~~ the recombinant vector of claim 22, comprising culturing host cells transformed with the recombinant vector under conditions ~~conductive~~ conductive to the expression of the polypeptide, ~~or peptide fragment,~~ and recovering in substantially purified or isolated form the polypeptide ~~or peptide fragment~~ from the cell culture.

Claims 26-47. (Cancelled).

Claim 48. (New): An isolated polynucleotide molecule that comprises a nucleotide sequence that is about 90% homologous to SEQ ID NO:1, wherein the isolated polynucleotide molecule encodes a protein that has a kinase activity of an MLK4 gene product.

C.K. to enter R.V. 3/29/04